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Rajeev Rastogi, Kyuseok Shim
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4

iDistance: An adaptive B±-tree based indexing method for nearest neighbor search

H. V. Jagadish, Beng Chin Ooi, Kian-Lee Tan, Cui Yu, Rui Zhang

June 2005 **ACM Transactions on Database Systems (TODS)**, Volume 30 Issue 2

Publisher: ACM Press

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In this article, we present an efficient $B^{\+}$-tree based indexing method, called iDistance, for K-nearest neighbor (KNN) search in a high-dimensional metric space. iDistance partitions the data based on a space- or data-partitioning strategy, and selects a reference point for each partition. The data points in each partition are transformed into a single dimensional value based on their similarity with respect to the reference point. This allows the points to be indexed using a B

~~Keywords: Indexing, KNN, nearest neighbor queries~~

5 A novel feature selection method to improve classification of gene expression data

Liang Goh, Qun Song, Nikola Kasabov

January 2004 **Proceedings of the second conference on Asia-Pacific bioinformatics - Volume 29 CRPIT '04**

Publisher: Australian Computer Society, Inc.

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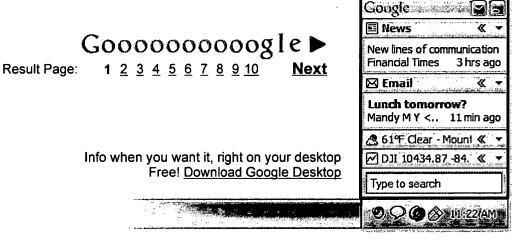
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